

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number  
**WO 2004/027421 A2**

(51) International Patent Classification<sup>7</sup>: **G01N 33/53**,  
33/58, C12Q 1/48, C07K 16/00, A61P 19/02, 11/06, 5/48,  
35/04, G01N 33/573

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(21) International Application Number:  
PCT/GB2003/004015

(22) International Filing Date:  
17 September 2003 (17.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0221561.4 17 September 2002 (17.09.2002) GB

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:  
— *without international search report and to be republished  
upon receipt of that report*

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*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: ADP ASSAY

(57) Abstract: An assay for ADP is described in which the ADP is detected by means of an ADP-binding protein. A direct assay format may be used in which labelled ADP is generated from a labelled precursor. The signal generated by the labelled ADP is detected when the ADP is bound to the ADP-binding protein. Alternatively, in a preferred embodiment, an indirect assay format may be used in which a competitor of ADP is present. The competitor of ADP or the ADP-binding protein is labelled. A signal is generated when the competitor binds to the ADP-binding protein, and the signal is reduced in the presence of ADP. If ATP is present in the sample, the assay may also include a step of modifying the ATP such that it cannot bind to the ADP-binding protein.

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